CIVIL-TECH CONSULTANTS AND ENGINEERS

An ISO 9001:2008 Certified Company

(Building, Geo-Tech & High way Material Testing Research Laboratory)

Engineering Project Consultants

JAS-ANZ BSCIC ISO 9001 REGISTERED

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.

Type of Road Surface	Minimum Number of Tests as per IRC norms	Number of Test done during execution	Percentage of Tests carried out as per IRC norms
I	II	III	IV
CIVIL WORKS	11	11	100%
TOTAL	**11**	**11**	**100%**

Civil-Tech Consultants & Engineers Bangalore

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79. Tele fax : 23223227, Cell : 93428 39190

CIVIL-TECH CONSULTANTS AND ENGINEERS

An ISO 9001:2008 Certified Company

(Building, Geo-Tech & High way Material Testing Research Laboratory)

Engineering Project Consultants

JAS-ANZ BSCIC ISO 9001 REGISTERED

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.

Description	Quantity	Unit	Total Number of test to be carried out as per IRC	Actual Number of Test to be conducted	% Completed
I	II	III	IV	V	IV
1) PCC 1:3:6 a)Cement b)M-Sand c))40mm Aggregate	22.14	Cum	3	3	100%
2)Cube M20	69.24	Cum	5	5	100%
3)Precast Slab 100mm thick	201.42	Sqm	1	1	100%
4)Steel-10MM	4.09	Tonne	1	1	100%
5)Precast Slab 200mm thick	43.2	Sqm	1	1	100%
TOTAL			**11**	**11**	**100%**

Civil-Tech Consultants & Engineers Bangalore

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79. Tele fax : 23223227, Cell : 93428 39190

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/CEMENT/2022-23 Date: 05.05.2022

TEST REPORT

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of Work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	Cement
Sample Received on	:	03.05.2022
Period of Testing	:	03.05.2022 to 05.05.2022
Report Issue Date	:	05.05.2022

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015 (2020)
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	375 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1.00 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/SAND-Gradation/2022-23 05.05.2022

TEST REPORT SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of Work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	Fine Aggregates (Manufactured Sand)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2021)
Sample Received On	:	03.05.2022
Date of Testing	:	05.05.2022
Report Issue Date	:	05.05.2022

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	97.00	90-100	90-100	90-100	95-100
2.36	82.00	60-95	75-100	85-100	95-100
1.18	61.70	30-70	55-90	75-100	90-100
600 Micron	36.10	15-34	35-59	60-79	80-100
300 Micron	14.60	5-20	8-30	12-40	15-50
150 Micron	4.60	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note 1 :

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2 :

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engi
Kodigehalli Sub Divisi
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineer

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/AGG/GR/2022-23 05.05.2022

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of Work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	Coarse Aggregates (40mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2021)
Sample Received on	:	03.05.2022
Date of Testing	:	05.05.2022
Report Issue Date	:	05.05.2022

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.90	95-100	85-100
20	38.78	30-70	0-20
10	16.28	10-35	0-5
4.75	3.16	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

M/s. Civil-Tech Consultants & Engine

Pooja K. L

Authorised Signatory

****

Assistant Executive
Kodigehalli Sub D
BBMP, Bangal

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/Steel/2022-23 05.05.2022

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Samples ID	:	10 mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2018)
Date of Testing	:	05.05.2022
Report Issue Date	:	05.05.2022

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	514	555	13.1	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/CUBE/2022-23 17.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of the work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	CC Bed Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	17.06.2022
Report Issue Date	:	17.06.2022

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	17.06.2022	8.159	495.6	22.03
2	20.05.2022	17.06.2022	8.286	475.8	21.15
3	20.05.2022	17.06.2022	8.387	502.6	22.34

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/CUBE/2022-23 17.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of the work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	CC Bed Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	17.06.2022
Report Issue Date	:	17.06.2022

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2022	17.06.2022	8.113	489.7	21.76
2	20.05.2022	17.06.2022	8.298	504.8	22.44
3	20.05.2022	17.06.2022	8.396	512.6	22.78

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/CUBE/2022-23 20.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of the work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	CC Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	20.06.2022
Report Issue Date	:	20.06.2022

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2022	20.06.2022	8.269	495.6	22.03
2	23.05.2022	20.06.2022	8.379	512.8	22.79
3	23.05.2022	20.06.2022	8.405	523.8	23.28

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/CUBE/2022-23 20.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of the work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
* Sample ID	:	CC Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	20.06.2022
Report Issue Date	:	20.06.2022

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2022	20.06.2022	8.178	490.5	21.80
2	23.05.2022	20.06.2022	8.290	511.2	22.72
3	23.05.2022	20.06.2022	8.350	502.8	22.35

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive E
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Pooja K. L.
Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/Precast Slab/2022-23 16.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample	:	Precast Slab - 100MM Thick
*Grade of Concrete	:	M_{20}
Sample Received on	:	14.06.2022
Date of Testing	:	16.06.2022
Report Issue Date	:	16.06.2022

SL. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.06)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	67.00	114.00	0.945	2351.19	1.70	0.967	143.60	15.90	16.85	17.43	21.78
2	67.00	115.00	0.968	2387.47	1.72	0.969	155.40	16.35	17.33	17.89	22.36
3	67.00	117.00	0.987	2392.72	1.75	0.972	140.60	16.50	17.49	17.99	22.49

* Information is furnished by the Customer/Representative

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

M/s. Civil-Tech Consultants & Engineers

Pooja K. L.

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/BPS/W.No.08/CSR-102g/Precast Slab/2022-23

17.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. B.P.Shanmugam,** No.28, 2nd Cross, Giddappa Block, Ganganagara, Bangalore – 32.
* Name of work	:	Construction of culverts in Balaji Layout, Bhadrappa Layout, Maruthinagara, Sahakaranagara in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/15/2022-23 Dated : 22.04.2022
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample	:	Precast Slab - 200MM Thick
*Grade of Concrete	:	M_{20}
Sample Received on	:	16.06.2022
Date of Testing	:	17.06.2022
Report Issue Date	:	17.06.2022

SL. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.06)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	67.00	112.00	0.960	2431.16	1.67	0.964	143.60	16.50	17.49	18.15	22.68
2	67.00	116.00	0.965	2359.55	1.73	0.970	155.40	16.10	17.07	17.59	21.98
3	67.00	113.00	0.959	2407.14	1.69	0.966	140.60	15.85	16.80	17.40	21.75

* Information is furnished by the Customer/Representative

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Pooja K. L.

Authorised Signatory

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com